

Catalog

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The bomb is intended for use on the external suspension of supersonic frontline aviation aircraft to destroy fortified areas, command posts, missile positions and other important targets with known coordinates. The bomb was probably developed as a response to the appearance of the B61 bomb in service with the US Air Force.

The bomb was removed from service with the USSR Air Force in 1990.



RN28 bomb at the exhibition "70 years of the nuclear industry" in Manezh in Moscow, 2015 (<https://pfc-joker.livejournal.com/>)

Personality

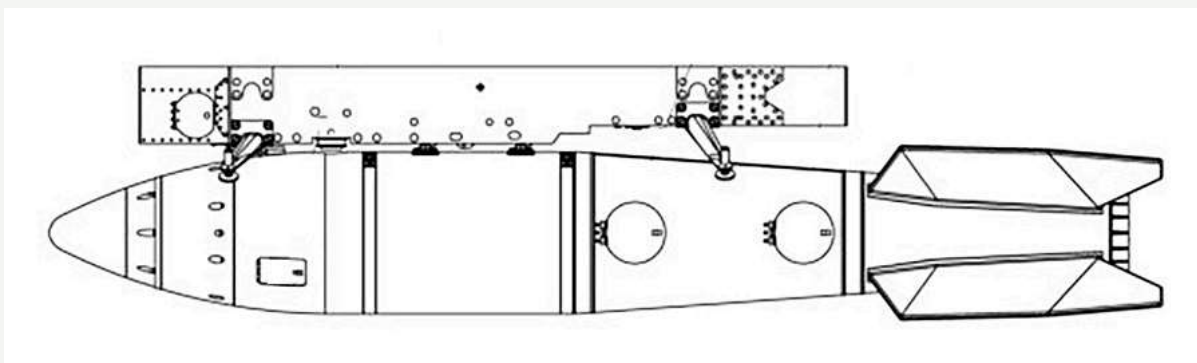
DISCUSSION



RN28 bomb at the exhibition "70 years of the nuclear industry" in Manezh in Moscow, 2015 (<https://pfc-joker.livejournal.com/>)

The design is an aerial bomb for supersonic carrier aircraft of a streamlined design with swept-back stabilizers of the "free feather" type. In the nose section, under the radio-transparent fairing, there is a radio altimeter of the detonation system. In the tail cone, there is a container of the brake parachute.

The design of the munition was high-tech - the assembly cycle was reduced in comparison with the products of the previous generation by 1.8 times ([source](#)).



Approximate projections of the RN28 aerial bomb with the BD3-56FMN beam holder (source - AMS)









Detailing of the RN28 bomb at the "70 Years of the Nuclear Industry" exhibition in the Manege in Moscow, 2015 (<https://pfc-joker.livejournal.com/>)



The structure of the American B61 nuclear bomb (<https://ru.wikipedia.org/>)

Performance characteristics of the RN28 aerial bomb :

Length - approx. 3.5 m
 Diameter - approx. 350 mm
 Weight - 250 kg (?)

Bombing altitude - 500 - 30,000 m
 Flight speed - up to 3,000 km / h

Warhead : nuclear, developed by NII-1011 (now RFNC-VNIITF).
 Power - 5-30 kt (estimated)

Modifications :

- RN28 - the basic version of the tactical aerial bomb.

Carriers : frontline and naval aviation aircraft MiG-21, MiG-23, MiG-27, Su-7BK, Su-17, Su-24, Yak-38 and MiG-25RB.
Holders - BD3-56FNM

Status : USSR - was in service

- 1969 - start of serial production.

- 1990 - removed from service.

Sources :

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